

AMENDMENTS TO THE SPECIFICATION:

Please replace the Abstract of the Disclosure with the following rewritten Abstract which appears on a separate sheet in the Appendix.

Page 6, replace the paragraph, beginning on line 8, with the following amended paragraph:

--[0019] Figure 1 shows the changes in end-tidal carbon dioxide ( $\text{EtCO}_2$ ) levels, respiration frequency, and patterns during vagus nerve stimulation; and

Figure 2 shows a flow diagram of representative steps according to an embodiment of the invention.-

Page 10, replace the paragraph, beginning on line 21, with the following amended paragraph:

--[0035] According to the present invention adjusting vagus nerve stimulation parameters in order to achieve optimal stimulation effectiveness with regard to the desired therapeutical effect and with minimized side effects may be carried out with respect to Figure 2 as follows.-